Manitoba

Health
Health and Healthy Living
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Prévention des maladies transmissibles
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Dear Colleague,

Please find attached the Summary of Communicable Diseases for the Month of August 2007. This report reflects the number of cases of reportable communicable diseases for which individuals in Manitoba tested positive* during the month of August 2007.

Communicable Diseases

In total, there were **824** new infections occurring across 24 communicable diseases** (excluding sexually transmitted infections and HIV) in August 2007. The observed numbers of cases were within the expected range for all of the reported communicable diseases with the exception of the following diseases:

- Ascariasis – 1 case reported, 0 cases expected
- Brucellosis – 1 case reported, 0 cases expected
- Cryptosporidiosis – 18 cases observed, 0 – 11 cases expected
- *Diphyllobothrium spp.* – 4 cases observed, 0 – 2 cases expected
- Methicillin Resistant *Staphococcus aureus* (MRSA) – 250 cases observed, 0 – 211 cases expected
- *Salmonella spp.* – 24 cases observed, 8 – 22 cases expected

The expected number of cases and accompanying range is based on the number of cases during July, August and September, 2002-2006.

Together MRSA and *Clostridium difficile* accounted for 38.3% of all non-STI/HIV related communicable diseases reported to Manitoba Health. *C. difficile* cases tended to be concentrated in the 60+ age group, while cases of MRSA were reported in all age groups. West Nile Virus reported cases accounted for 45.9% of call non-STI/HIV related communicable diseases reported to Manitoba Health.

Sexually Transmitted Infections & Blood-Borne Pathogens

There were **620** cases of sexually transmitted infections (chlamydia, gonorrhoea, and syphilis) in August:

- 472 cases of chlamydia (Ct)
- 88 cases of gonorrhoea (GC)
- 54 GC-Ct co-infections and
- 6 cases of syphilis

The 45% of all GC and Ct cases in the province were reported among females of age group 15-24 years. More than half of all GC and Ct cases (53%) were reported for individuals living in the Winnipeg health region and an additional 23% were from the Burntwood health region.

In August, 20 individuals tested positive for Hepatitis C virus (HCV) in Manitoba. 70% of HCV cases, this month, were reported from the Winnipeg health region. About 45% of all HCV positive cases were in the 40-59 year age groups, while 25% of total HCV cases were reported in the age group of 30-39 years. Two Manitobans in their twenties, three between 30 and 39 years of age and two between the ages of 40 and 49 years tested positive for HIV during August 2007.

*Note: Data for the monthly summary are aggregated based on the earliest of: symptom onset date, specimen collection date, or report date. For the majority of cases, the date used will be the specimen collection date.

**Note: The following communicable diseases are reportable to the Director of Communicable Disease Control for surveillance purposes, and are not reported out for public health follow-up:

Ascariasis (ICD9: 127.0)
Leishmaniasis – unspecified (ICD9: 085.9)
Methicillin or vancomycin resistant staphylococcus aureus (MRSA/VRSA)
Penicillin-resistant streptococcus pneumoniae (ICD9: 481.9)
Schistosomiasis (ICD9: 120)
Streptococcus pneumoniae – other site (ICD9: 041.2)
Strongyloides (ICD9: 127.2)
Vancomycin resistant enterococci (VRE)
Tuberculosis (ICD9: 013, 011, 010 – cases and contacts of tuberculosis are managed by the Provincial Tuberculosis Control Programme located at 315 - 258 Portage Avenue

Please feel free to contact me should you have any questions about this report.
Thank you.

Sincerely,
Myrna Dyck BN, MSc
Epidemiologist, Communicable Diseases

SUMMARY OF COMMUNICABLE DISEASE FOR August 2007

ICD9	DISEASE/INFECTION	MONTHLY TOTAL				YEAR-TO-DATE	
		2006	2007	Expected*	Ex. Range**	2006	2007
006.9	AMEBIASIS	1	2	2	0-4	26	27
022	ANTHRAX	1			***	1	
127.0	ASCARIASIS		1	0	0-0		1
005.8	B. CEREUS			0	0-1		2
320.82	BAC. MENINGITIS - E.COL			0	0-0		
320.0	BAC. MENINGITIS - HAEM			0	0-0		
320.9	BAC. MENINGITIS - OTHER			0	0-0		1
320.1	BAC. MENINGITIS - PNEUM	1		0	0-1	2	3
320.3	BAC. MENINGITIS - STAPH			0	0-0		
320.2	BAC. MENINGITIS - STREP			0	0-1		
320.7	BAC.MENINGITIS-LISTERIA				***		
116.0	BLASTOMYCOSIS		1		***		17
005.1	BOTULISM				***		
023	BRUCELLOSIS		1	0	0-0		1
005.2	C. PERFRINGENS		1	1	0-6	4	4
008.43	CAMPYLOBACTER	27	19	28	19-37	147	150
558.2	CLOSTRIDIUM DIFFICILE	79	66		***	784	694
046.1	CREUTZFELD-JACOB DISEASE				***	1	
007.8	CRYPTOSPORIDIOSIS	7	18	5	0-11	18	36
061.0	DENGUE FEVER			0	0-0	2	1
065.4	DENGUE HEMORRHAGIC FEVER			0	0-0		
V02.4	DIPH.CARRIERS			0	0-0		
032	DIPHTHERIA CASES			0	0-1		
123.4	DIPHYLLOBOTHRIUM SPP		4	0	0-2	4	11
008.0	E. COLI-VEROTOXIGENIC	51	5	13	0-33	117	31
054.3	ENCEPHALITIS			0	0-1	1	
005.9	FOOD POISONING OTHER			0	0-2	1	
007.1	GIARDIA LAMBLIA	18	9	16	6-26	93	66
041.5	H.I.B.-NON MTGS			0	0-1		
041.59	HAEM. INFLUENZAE (non-B)				***		7
480.8	HANTA VIRUS			0	0-0		1
283.11	HEMOLYTIC UREMIC SYNDROME			0	0-0		1
070.1	HEPATITIS A	2	1	2	0-4	11	7
070.3	HEPATITIS B	2		1	0-3	6	3
070.51	HEPATITIS C	33	20	33	19-47	202	217
054.8	HERPES-W-UNSPEC COMPL		1	0	0-1	5	1
487.1A	INFLUENZA A				***		70
487.1B	INFLUENZA B				***		1
A83.0	JAPANESE ENCEPHALITIS				***		
482.83	LEGIONELLA	1		0	0-1	2	
085.9	LEISHMANIASIS			0	0-0		
030.9	LEPROSY	1		0	0-1	2	
027.0	LISTERIA MONOCYTOGENES			0	0-1	3	
088.81	LYME DISEASE	1		0	0-1	2	4
084	MALARIA		1	1	0-3	13	9
055.9	MEASLES			0	0-0		
036.0	MENINGOCOCCAL CSF			0	0-2	1	
036.82	MENINGOCOCCAL ARTHROPATH				***		
036.2	MENINGOCOCCEMIA BLOOD			0	0-0		
B95.6	MRSA	183	250	95	0-211	1019	1330
072.9	MUMPS		1	1	0-3	1	6
036.89	N.MENINGITIDIS OTHER		1	0	0-1	2	4
728.86	NECROTIZING FASCIITIS	3		1	0-3	14	8
729.1	NECROTIZING MYOSITIS				***		
323.9	OTHER ENCEPHALITIS			0	0-0		
033.1	PARAPERTUSSIS				***		

* Mean of 15 month totals, from previous, comparable and subsequent months for the past 5 years

** Mean +/- 2 standard deviations of mean

*** Data collected for less than 5 years.

		MONTHLY TOTAL				YEAR-TO-DATE	
ICD9	DISEASE/INFECTION	2006	2007	Expected*	Ex. Range**	2006	2007
002.9	PARATYPHOID			0	0-0		
027.2	PASTEURELLA MULTOCIDA				***		
033.0	PERTUSSIS	1	2	5	0-12	7	14
038.2	PNEUM. SEPTICEMIA	12	4	6	0-12	84	55
073.9	PSITTACOSIS			0	0-0		
083.0	Q FEVER			0	0-1		
331.81	REYE'S SYNDROME				***		
391	RHEUMATIC FEVER			0	0-1		1
056.9	RUBELLA			0	0-0		2
771.0	RUBELLA CONGENTIAL			0	0-0		
041.2	S.PNEUM.OTHER			0	0-2		2
003.0	SALMONELLA	17	24	15	8-22	107	151
120	SCHISTOSOMIASIS	1		0	0-1	1	
004	SHIGELLOSIS	3	2	1	0-4	9	10
050.9	SMALLPOX				***		
005.0	STAPHYLOCOCCAL			0	0-1		
785.5	STAPHYLOCOCCUS AUREUS				***		1
481.9	STREP PNEUMONIA - PR			0	0-0		
711.0	STREP.PNEUM.ARTHRITIS			0	0-0	1	
580.0	STREPT GLOMERULONEPHRITIS			0	0-0		
040.89	STREPT TOXIC SHOCK			0	0-0		
481	STREPTOCOCCUS PNEUMONIAE			0	0-1	1	3
127.2	STRONGYLOIDES		1	0	0-1	4	14
037	TETANUS	1		0	0-1	1	
130.9	TOXOPLASMOSIS			1	0-5	1	
124	TRICHINOSIS			0	0-0		
086	TRYPANOSOMA CRUZI			0	0-0		1
013	TUBERCULOSIS - NON-RESP.			3	0-9	18	9
011	TUBERCULOSIS - RESP.	4	3	6	0-13	55	45
010	TUBERCULOSIS-PRIM.			1	0-4	13	2
021.9	TULAREMIA			0	0-1	1	
002.0	TYPHOID			0	0-0		
081.9	TYPHUS			0	0-0		
B96.8	VANCOMYCIN R. ENTEROCOCCI	1	4		***	27	33
005.4	VIBRIO PARAHAEMOLYTICUS				***		
070.59	VIRAL HEP. OTHER				***		
047.0	VIRAL MENINGITIS-COXSACK	5	2	2	0-6	9	4
047.1	VIRAL MENINGITIS-ECHO			6	0-13	7	
047.8	VIRAL MENINGITIS-ENTERO	1	2		***	4	2
054.72	VIRAL MENINGITIS-H SIMP			0	0-1		
047.9	VIRAL MENINGITIS-UNSPEC			0	0-1		
B95.7	VRSA			0	0-0		
062.1	W. EQUINE ENCEPHALITIS			0	0-0		
196	WNV ASYMPTOMATIC INFECTION	1	5		***	1	7
198	WNV NEUROLOGICAL SYNDROME	9	19		***	16	34
197	WNV NON-NEUROLOGICAL SYND	20	124		***	31	188
066.3	WNV UNCLASSIFIED		231		***		246
008.44	YERSINIA ENTEROCOLITICA	1	1	1	0-3	10	8
		488	**826**			**2892**	**3546**

* Mean of 15 month totals, from previous, comparable and subsequent months for the past 5 years

** Mean +/- 2 standard deviations of mean

*** Data collected for less than 5 years.

SUMMARY OF COMMUNICABLE DISEASE BY AGE AND GENDER FOR August 2007

		<1		1 - 4		5 - 9		10 - 14		15 - 19		20 - 24		25 - 29		30 - 39		40 - 49		50 - 59		60 - 69		70 - 79		80 +		Missing	Total
ICD9	Disease Name	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	age/gendr	
006.9	AMEBIASIS						1											1											2
127.0	ASCARIASIS			1																									1
116.0	BLASTOMYCOSIS																								1				1
023	BRUCELLOSIS											1																	1
005.2	C. PERFRINGENS																									1			1
008.43	CAMPYLOBACTER				2				3	1	2			1			1	1	1	2	3	1					1		19
558.2	CLOSTRIDIUM DIFFICILE		1		1				1				2	1		3	4		1	6	3	3	6	7	6	12	9		66
007.8	CRYPTOSPORIDIOSIS	1			2	2	4	1	3		1				1	1		2											18
123.4	DIPHYLLOBOTHRIUM							1	1								1		1										4
008.0	E.COLI 0157				1				2			1			1														5
007.1	GIARDIA LAMBLIA									1		3			1			2	1			1							9
070.1	HEPATITIS A																		1										1
070.51	HEPATITIS C												1			2	3	3	6	1	3							1	20
054.8	HERPES-W-UNSPEC COMPL									1																			1
084	MALARIA						1																						1
B95.6	MRSA	2	1	12	15	11	15	8	16	5	11	6	7	5	8	13	25	11	12	6	7	5	6	3	11	17	12		250
072.9	MUMPS	1																											1
036.89	NEISSERIA MGTS(0ther)										1																		1
033.0	PERTUSSIS	1	1																										2
003.0	SALMONELLA		1	2			1		2			1	1	1	2	3	1		2	3				1	1		2		24
004	SHIGELLOSIS					1														1									2
038.2	STREP.PNEUMOCOCCAL SEPTIC				1										1			1		1									4
127.2	STRONGYLOIDIASIS											1																	1
011	TUBERCULOSIS - RESP.														1						1					1			3
B96.8	VANCOMYCIN RES. ENTER.																					1			1		2		4
047.0	VIRAL MENINGITIS-COXSACK						1									1													2

ICD9	Disease Name	<1		1 - 4		5 - 9		10 - 14		15 - 19		20 - 24		25 - 29		30 - 39		40 - 49		50 - 59		60 - 69		70 - 79		80 +		Missing age/gendr	Total
		F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M		
047.8	VIRAL MENINGITIS-ENTERO	1				1																							2
196	WNV Asymptomatic Infectio														1				1		2	1	2						7
198	WNV Neurological Syndrome										2		1	1	2				2	4	2	2	6	3	3	2	4		34
197	WNV Non-Neurological Synd							2	2	4		2	2	5	1	12	13	18	30	23	26	10	20	6	9		3		188
066.3	WNV Unclassified								1	2	9	4	4	11	7	12	20	33	35	20	28	12	19	7	13	5	3	1	246
008.44	YERSINIA ENTEROCOLITICA														1														1
		6	4	15	22	15	23	12	31	14	26	19	18	25	27	47	68	72	93	67	75	36	59	27	45	38	36		922

SUMMARY OF COMMUNICABLE DISEASE BY REGION (RHA) FOR August 2007

ICD9	Disease/Infection	Winnipeg	Brandon	N.Eastman		S.Eastman		Interlake		Central		Assiniboine		Parkland		Norman		Burntwood		Churchill	OOP	Missing	TOTAL
*Case Referred to:**				*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*				
006.9	AMEBIASIS	2																					2
127.0	ASCARIASIS																	1					1
116.0	BLASTOMYCOSIS	1																					1
023	BRUCELLOSIS	1																					1
005.2	C. PERFRINGENS												1										1
008.43	CAMPYLOBACTER	8			1		4		2		2		1					1					19
558.2	CLOSTRIDIUM DIFFICILE	38	5		1		2		4		7		6		2				1				66
007.8	CRYPTOSPORIDIOSIS	8			1		2		2		2		3										18
123.4	DIPHYLLOBOTHRIUM	4																					4
008.0	E.COLI 0157	2					1				2												5
007.1	GIARDIA LAMBLIA	6					1		1				1										9
070.1	HEPATITIS A								1														1
070.51	HEPATITIS C	14	2						1		1				1							1	20
054.8	HERPES-W-UNSPEC COMPL	1																					1
084	MALARIA	1																					1
B95.6	MRSA	80	4	4	7		3	1	3		3		5	2	5	6	12	98	13	1		3	250
072.9	MUMPS	1																					1
036.89	NEISSERIA MGTS(0ther)										1												1
033.0	PERTUSSIS	1																1					2
003.0	SALMONELLA	15	1				5				1		1					1					24
004	SHIGELLOSIS	2																					2
038.2	STREP.PNEUMOCOCCAL SEPTIC	2							1										1				4
127.2	STRONGYLOIDIASIS	1																					1
011	TUBERCULOSIS - RESP.	2					1																3
B96.8	VANCOMYCIN RES. ENTER.	3											1										4
047.0	VIRAL MENINGITIS-COXSACK										1			1									2
047.8	VIRAL MENINGITIS-ENTERO	2																					2
196	WNV Asymptomatic Infectio	2			1		1		1		1		1										7
198	WNV Neurological Syndrome	14	3		2		1		3		5		6										34
197	WNV Non-Neurological Synd	41	19		14		14		18		50		28		4								188

* F=Federal Jurisdiction (includes First Nations and Inuit Health Branch and Stony Mountain Penitentiary) P=Provincial Jurisdiction

ICD9	Disease/Infection	Winnipeg	Brandon	N.Eastman		S.Eastman		Interlake		Central		Assiniboine		Parkland		Norman		Burntwood		Churchill	OOP	Missing	TOTAL
*Case Referred to:**				*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*				
066.3	WNV Unclassified	54	50		3		9		11		32		77		10								246
008.44	YERSINIA ENTEROCOLITICA						1																1
		306	**84**	**4**	**30**		**45**	**1**	**48**		**108**		**131**	**3**	**22**	**6**	**12**	**102**	**15**	**1**		**4**	**922**
Missing Investigation Forms (Jan.1 to end of July)		114	11	3	1		6	2	13		7		11		4		7	7	5			1	192

* F=Federal Jurisdiction (includes First Nations and Inuit Health Branch and Stony Mountain Penitentiary) P=Provincial Jurisdiction

STD Infection Summary Report - August 2007

	MONTHLY TOTAL		YEAR-TO-DATE	
DISEASE/INFECTION	**2006**	**2007**	**2006**	**2007**
All Chlamydia Infections	394	526	2781	3273
All Gonorrhea Infections (including PRNG)	145	142	1087	932
All Syphilis Infections	7	6	38	35
Gonorrhea & Chlamydia Co-infections	32	54	335	364
Penicillin Resistant Gonorrhea Infections (PRNG)				
Suspect PRNG				
HIV	8	7	52	55

Total Number of STD Cases by Age and Gender - August 2007

	<1		1 - 4		5 - 9		10 - 14		15 - 19		20 - 24		25 - 29		30 - 39		40 - 49		50 - 59		60 - 69		70 - 79		80 +		Missing	Total
Disease Name	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	age/gendr	
Chlamydia Only Cases					1		3		124	35	105	53	45	34	31	22	5	8	1	4	1							472
Gonorrhea Only Cases			1		2		3	1	10	3	16	4	5	7	12	8	2	9	3	2								88
Syphilis Only Cases																		4		1		1						6
GC and CT Cases									11	4	11	10	5	5	1	2		2		2					1			54
			1		3		6	1	145	42	132	67	55	46	44	32	7	23	4	9	1	1			1			620
HIV														2		3		2										7

Regional STD Distribution - August 2007

Disease/Infection	**Winnipeg**	**Brandon**	**N.Eastman**		**S.Eastman**		**Interlake**		**Central**		**Assiniboine**		**Parkland**		**Norman**		**Burntwood**		**Churchill**	**OOP**	**Missing**	**TOTAL**
Case Referred to:*			*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*				
All Chlamydia Infections	238	33	8	18		8	7	20		24		21	4	20	9	19	59	33		3	2	526
All Gonorrhea Infections	69	3	9	4		1		1		5				3	4	11	18	13			1	142
All Syphilis Infections	4						1														1	6
GC and CT Infections	17	2	2	2						3				3	2	6	11	5			1	54